

CLAIMS

1. Method of reconstituting the coating of a prestripped optical fiber, characterized in that it
5 comprises the steps consisting in:
- applying a drop of a viscous material, on one end of the stripped region of the fiber (10), at the interface (22) with the remaining initial coating (20), and
- shaping this drop into a mass (30) which is centered
10 on the axis of the fiber (10) and tapered on going away from the adjacent initial coating (20), before
- filling the stripped space of the fiber with a mass of material capable of resheathing said fiber.
- 15 2. Method according to claim 1, characterized in that the shaping step consists in shaping the drop of viscous material into a mass (30) having a generally frustoconical envelope.
- 20 3. Method according to one of claims 1 or 2, characterized in that the aforementioned steps of applying drops of viscous material and of shaping them are carried out on each end of the stripped region of the fiber.
- 25 4. Method according to one of claims 1 to 3, characterized in that it consists in repeating several times the steps of applying a drop of viscous material and of shaping it before the filling step is carried
30 out.
5. Method according to one of claims 1 to 4, characterized in that the viscous material is a polymer.
- 35 6. Method according to one of claims 1 to 4, characterized in that the viscous material is a silicone.

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15. Optical fiber obtained by implementing the method according to one of claims 1 to 14.

5 16. Fiber according to claim 15, characterized in that it comprises two cones (30) respectively adjacent to the end interfaces of a locally removed original coating (20), these being covered with a final resheathing.